

WHAT IS CLAIMED IS

1. A magnetic tape cartridge reel comprising:

a hub having a first end and a second end configured
5 to receive a magnetic tape to be wound thereon;

at least one flange which is attached to at least
one of the first end and the second end of the hub;

wherein the at least one flange is formed separately
from the hub and is made of a flexible material.

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2. The magnetic tape cartridge reel as set forth in
Claim 1,

wherein said hub is one of cylinder-shape, and
polygon shape, said polygon having at least three sides.

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3. The magnetic tape cartridge reel as set forth in
Claim 1,

wherein said at least one flange is one of
cylinder-shape, and polygon shape, said polygon having
20 at least three sides.

4. The magnetic tape cartridge reel as set forth in
Claim 1,

25 wherein said at least one flange is made of film

or sheet.

5. The magnetic tape cartridge reel as set forth in Claim 1,

5 wherein the flexible material of the at least one flange is porous.

6. The magnetic tape cartridge reel as set forth in Claim 5,

10 wherein the at least one flange is made of one of a porosity film and a porosity sheet.

7. The magnetic tape cartridge reel as set forth in Claim 1,

15 further comprising:

a member with a brim, said member configured to fit in an inner diameter of said hub and on one of said first end and said second end of said hub;

20 wherein the at least one flange is positioned between the brim and one of the first end and the second end.

8. The magnetic tape cartridge reel as set forth in Claim 6,

25 wherein said member is one of cylindrical-shape and

polygon shape, said polygon having at least three sides.

9. The magnetic tape cartridge reel comprising:

a hub having a first end and a second end configured
5 to receive a magnetic tape to be wound thereon;

at least one flange which is attached to at least
one of the first end and the second end of the hub;

wherein at least one portion on the outer surface
of the at least one flange is positioned between a
10 perimeter of the at least one flange, and an aperture
of the at least one flange.

10. The magnetic tape cartridge reel as set forth in
Claim 9,

15 wherein said at least one portion is concentric with
an outer perimeter of the at least one flange.

11. The magnetic tape cartridge reel as set forth in
Claim 9,

20 wherein the at least one portion has a greater
specific gravity than the at least one flange.

12. The magnetic tape cartridge reel as set forth in
Claim 9,

25 wherein the at least one portion has one of a shock

proof and shock-absorbing function.

13. The magnetic tape cartridge reel as set forth in
Claim 12,

5 wherein the at least one portion is made of foaming
material.

14. The magnetic tape cartridge reel as set forth in
Claim 9,

10 wherein the at least one portion is a resin that
is a solid.

15. The magnetic tape cartridge reel as set forth in
Claim 9,

15 wherein said at least one portion comprises a single
unit having a substantially similar to the perimeter of
the at least one flange.

16. The magnetic tape cartridge reel as set forth in
20 Claim 9,

 wherein said at least one portion comprises a
plurality of units dispersed around said aperture of said
flange.

25 17. The magnetic tape cartridge reel as set forth in

Claim 1,

wherein the thickness of the at least one flange
is between 0.03mm and 0.50 mm.

5 18. The magnetic tape cartridge reel as set forth in
Claim 1,

wherein the thickness of the at least one flange
is between 0.05mm and 0.40 mm.

10 19. The magnetic tape cartridge reel as set forth in
Claim 1,

wherein the thickness of the at least one flange
is between 0.05mm and 0.30 mm.